



LKT Laboratories, Inc.

Nimustine Hydrochloride

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Product Information

Product ID N3452

CAS No. 55661-38-6

Chemical Name N'-[(4-Amino-2-methyl-5-pyrimidinyl)methyl]-N-(2-chloroethyl)-N-nitrosourea hydrochloride

Synonym ACNU, Nidran

Formula C₉H₁₃ClN₆O₂ • HCl

Formula Wt. 309.16

Melting Point 170-171 °C

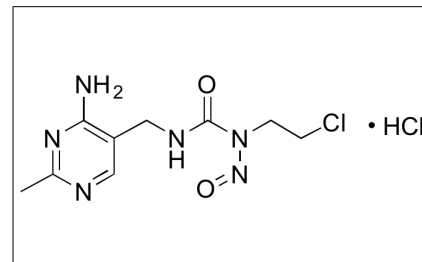
Purity ≥97%

Solubility Soluble in methanol and n-butanol. Soluble in water (100 mM) and DMSO (75 mM). (Practically insoluble in ethyl acetate, ether, chloroform and

Store Temp 4 °C

Ship Temp Ambient

Description Nimustine is a nitrosourea compound that exhibits anticancer chemotherapeutic activity. Nimustine induces DNA cross-linking and double-stranded DNA breaks. This compound is clinically used to treat gliomas and may also downregulate expression of DNA ligase IV. TEST!!!!!!



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
N3452	100 mg	\$44.80
N3452	500 mg	\$74.90
N3452	1 g	\$102.00

References Kondo N, Takahashi A, Mori E, et al. DNA ligase IV is a potential molecular target in ACNU sensitivity. Cancer Sci. 2010 Aug;101(8):1881-5. PMID: 20487264.

Kanamaru R, Asamura M, Sato H, et al. Studies on the mechanism of action of ACNU, 1-(4-amino-2-methylpyrimidine-5-yl)methyl-3-(2-chloroethyl)-3-nitrosourea hydrochloride: effects on cultured HeLa S3 cells. Tohoku J Exp Med. 1980 Dec;132(4):431-41. PMID: 6942530.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.